

### **Abstract of the Disclosure**

A method is provided for performing real-time decompression and display of Huffman compressed video data. The method includes implementing a personal computer to carry out the steps of receiving the video data; searching for  
5 a frame synchronizing code on bit boundaries of the video data; upon detecting the frame synchronizing code for a given frame in the video data, extracting a frame number, Huffman levels and corresponding intensities from the given frame; extracting pixel data for the given frame based on the Huffman levels and corresponding intensities; and  
10 displaying the pixel data in real time.